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Key points to the successful laboratory processing of press ceramics

On the occasion of the release of GC Initial™ LiSi Press/LiSi PressVest

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- *1982 Graduated from Osaka Dental University School of Dental Technology*
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- *1989 Graduated from IDA*
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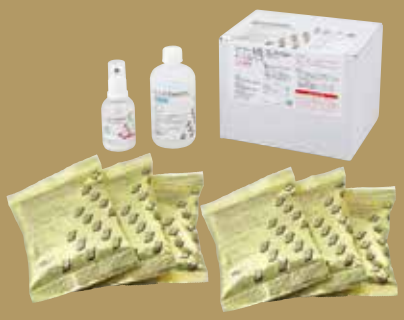
Introduction - two major problems in laboratory processing of press ceramics

Press ceramics have many advantages over zirconia when placed in the mouth because they are more esthetic and have less of an impact on opposing teeth. The fact is, however, the laboratory processing accompanies substantial difficulties. The possible problems can be classified into two major types.

Unlike metal casting, these problems cost more due to non-reusable press ceramics, relatively expensive investment materials, and other factors. Furthermore, the re-fabrication takes substantially more time than metal casting.

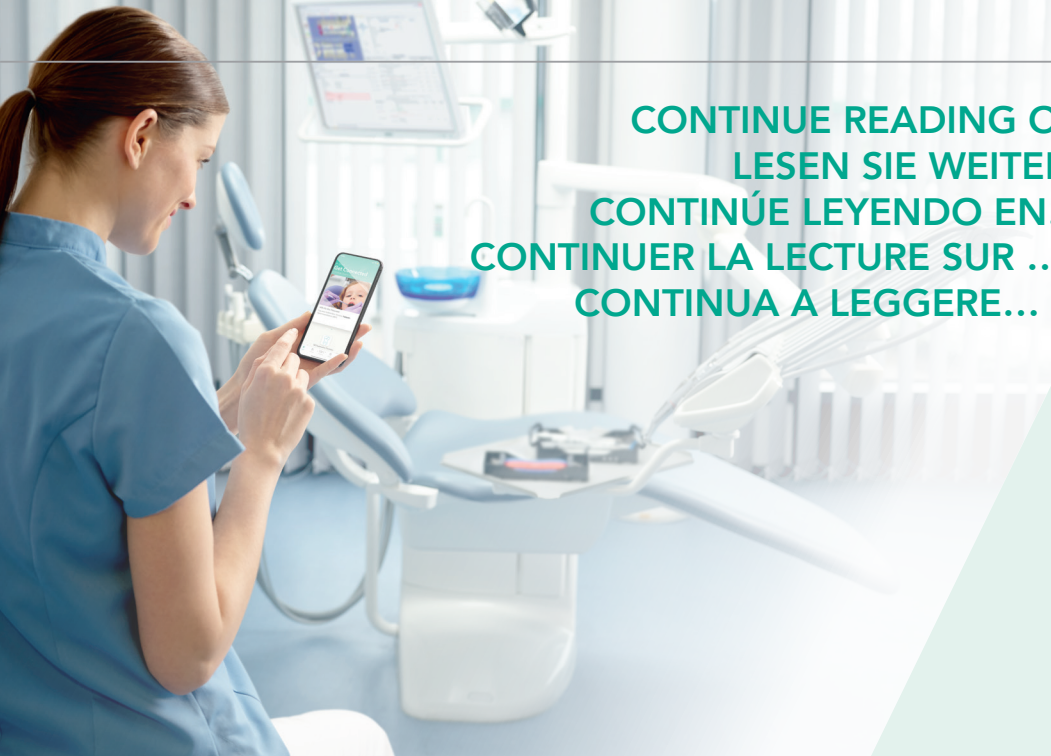
With all these factors of the current situation of the dental laboratory market taken into account, it is quite understandable that one would shift to materials other than press ceramics after having failed more than once. No matter how hard you try, you cannot overcome failures without



Two major problems in the laboratory processing of press ceramics

Problem 1: Investment failure during pressing. Even when no external breakage is observed, internal cracks cause fins and a fractured abutment part results in restorations with filled inner cavities.

Problem 2: Incomplete margins and rough surfaces of press objects.



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